

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS			
1. PROJECT Duval County FL BEC Borrow Area A				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION CB-DUC04-16		LOCATION COORDINATES X = 419,478 Y = 2,186,340		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW		
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibracore		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES		DISTURBED 4	UNDISTURBED (UD) 0		
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING		STARTED 04-17-04	COMPLETED 04-17-04		
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -49.4 Ft.		17. TOTAL RECOVERY FOR BORING 97 %			
8. TOTAL DEPTH OF BORING 19.8 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-49.4	0.0						-49.4		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, few angular shell up to 1", trace silt, weak reaction with HCl, wet, 5PB 8/1 light bluish gray (SP)	100			-49.9		
				100	1		Vibracore		
							-50.9		
				100			Vibracore		
				100	2		-52.4		
				100			-53.4		
				100			Vibracore		
-55.9	6.5		SAND, silty, mostly fine-grained sand-sized carbonate, some silt, few fine-grained sand-sized quartz, trace angular medium-grained sand-sized shell, strong reaction with HCl, wet, 5B 4/1 dark bluish gray (SM)	100	3		-55.9		
				100			Vibracore		
							-56.9		
				100	4		Vibracore		
							-57.9		
				100			-58.9		
				95			Vibracore		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																		
PROJECT Duval County FL BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW																		
LOCATION COORDINATES X = 419,478 Y = 2,186,340			ELEVATION TOP OF BORING -49.4 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-68.7	19.3	NR	At El. -65.4 Ft., weak reaction with HCl	95			Vibracore																	
-69.2	19.8																							
		NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Laboratory Testing Results <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.5/1.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>3.0/4.0</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>6.5/7.5</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>8.5/9.5</td> <td>SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 4 Specific Gravity			SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	0.5/1.5	SP*	2	3.0/4.0	SP*	3	6.5/7.5	SM*	4	8.5/9.5	SM*					
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